

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/348,658DATE: 05/25/95  
TIME: 10:16:42

INPUT SET: S3868.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Eaton, Dan L.  
6 de Sauvage, Frederic J.  
7  
8 (ii) TITLE OF INVENTION: MPL LIGAND  
9  
10 (iii) NUMBER OF SEQUENCES: 20  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Genentech, Inc.  
14 (B) STREET: 460 Point San Bruno Blvd  
15 (C) CITY: South San Francisco  
16 (D) STATE: California  
17 (E) COUNTRY: USA  
18 (F) ZIP: 94080  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: patin (Genentech)  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: 08/348658  
28 (B) FILING DATE: 02-DEC-1994  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 08/185607  
33 (B) FILING DATE: 21-JAN-1994  
34  
35 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: 08/176553  
37 (B) FILING DATE: 03-JAN-1994  
38  
39 (viii) ATTORNEY/AGENT INFORMATION:  
40 (A) NAME: Winter, Daryl B.  
41 (B) REGISTRATION NUMBER: 32,637  
42 (C) REFERENCE/DOCKET NUMBER: 871P1C1  
43  
44 (ix) TELECOMMUNICATION INFORMATION:  
45 (A) TELEPHONE: 415/225-1249  
46 (B) TELEFAX: 415/952-9881

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47 (C) TELEX: 910/371-7168  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 20 amino acids  
53 (B) TYPE: amino acid  
54 (D) TOPOLOGY: linear  
55  
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
57  
58 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
59 1 5 10 15  
60  
61 Leu Arg Asp Asp His  
62 20  
63  
64 (2) INFORMATION FOR SEQ ID NO:2:  
65  
66 (i) SEQUENCE CHARACTERISTICS:  
67 (A) LENGTH: 26 amino acids  
68 (B) TYPE: amino acid  
69 (D) TOPOLOGY: linear  
70  
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
72  
73 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu  
74 1 5 10 15  
75  
76 Leu Arg Asp Ser His Val Leu His Ser Arg Leu  
77 20 25 26  
78  
79 (2) INFORMATION FOR SEQ ID NO:3:  
80  
81 (i) SEQUENCE CHARACTERISTICS:  
82 (A) LENGTH: 42 amino acids  
83 (B) TYPE: amino acid  
84 (D) TOPOLOGY: linear  
85  
86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
87  
88 Leu Leu Leu Val Val Met Leu Leu Leu Thr Ala Arg Leu Thr Leu  
89 1 5 10 15  
90  
91 Ser Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys  
92 20 25 30  
93  
94 Leu Leu Arg Asp Ser His Val Leu His Ser Arg Leu  
95 35 40 42  
96  
97 (2) INFORMATION FOR SEQ ID NO:4:  
98  
99 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 390 bases  
101 (B) TYPE: nucleic acid  
102 (C) STRANDEDNESS: single  
103 (D) TOPOLOGY: linear  
104  
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
106  
107  
108 GAATTCCTGG AATACCAGCT GACAATGATT TCCTCCTCAT CTTTCAACCT 50  
109  
110  
111 CACCTCTCCT CATCTAAGAA TTGCTCCTCG TGGTCATGCT TCTCCTAACT 100  
112  
113  
114 GCAAGGCTAA CGCTGTCCAG CCCGGCTCCT CCTGCTTGTG ACCTCCGAGT 150  
115  
116  
117 CCTCAGTAAA CTGCTTCGTG ACTCCCATGT CCTTCACAGC AGACTGGTGA 200  
118  
119  
120 GAACTCCCAA CATTATCCCC TTTATCCGCG TAACTGGTAA GACACCCATA 250  
121  
122  
123 CTCCCAGGAA GACACCATCA CTTCTCTTAA CTCCTTGACC CAATGACTAT 300  
124  
125  
126 TCTTCCCATA TTGTCCCCAC CTA CTGATCA CACTCTCTGA CAAGAATTAT 350  
127  
128  
129 TCTTCACAAT ACAGCCCGCA TTTAAAAGCT CTCGTCTAGA 390  
130  
131  
132  
133 (2) INFORMATION FOR SEQ ID NO:5:  
134  
135 (i) SEQUENCE CHARACTERISTICS:  
136 (A) LENGTH: 390 bases  
137 (B) TYPE: nucleic acid  
138 (C) STRANDEDNESS: single  
139 (D) TOPOLOGY: linear  
140  
141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
142  
143  
144 CTTAAGGACC TTATGGTCTGA CTGTTACTAA AGGAGGAGTA GAAAGTTGGA 50  
145  
146  
147 GTGGAGAGGA GTAGATTCTT AACGAGGAGC ACCAGTACGA AGAGGATTGA 100  
148  
149  
150 CGTTCCGATT GCGACAGGTC GGGCCGAGGA GGACGAACAC TGGAGGCTCA 150  
151  
152

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153 GGAGTCATTT GACGAAGCAC TGAGGGTACA GGAAGTGTCT TCTGACCACT 200  
154  
155  
156 CTTGAGGGTT GTAATAGGGG AAATAGGCGC ATTGACCATT CTGTGGGTAT 250  
157  
158  
159 GAGGGTCCTT CTGTGGTAGT GAAGGAGATT GAGGAACTGG GTTACTGATA 300  
160  
161  
162 AGAAGGGTAT AACAGGGGTG GATGACTAGT GTGAGAGACT GTTCTTAATA 350  
163  
164  
165 AGAAGTGTTA TGTCGGGCGT AAATTTTCGA GAGCAGATCT 390  
166  
167  
168

## (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 25 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

178 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
179 1 5 10 15  
180  
181 Leu Arg Asp Asp His Val Leu His Gly Arg  
182 20 25  
183

## (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 27 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

193 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
194 1 5 10 15  
195  
196 Leu Arg Asp Asp His Ser Val Leu His Gly Arg Leu  
197 20 25 27  
198

## (2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 25 amino acids  
(B) TYPE: amino acid  
(D) TOPOLOGY: linear

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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
207  
208 Ser Pro Ala Pro Pro Ala Xaa Asp Pro Arg Leu Leu Asn Lys Leu  
209 1 5 10 15  
210  
211 Leu Arg Asp Asp His Val Leu His Gly Arg  
212 20 25  
213  
214 (2) INFORMATION FOR SEQ ID NO:9:  
215  
216 (i) SEQUENCE CHARACTERISTICS:  
217 (A) LENGTH: 14 amino acids  
218 (B) TYPE: amino acid  
219 (D) TOPOLOGY: linear  
220  
221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
222  
223 Xaa Pro Ala Pro Pro Ala Xaa Asp Pro Arg Leu Xaa Asn Lys  
224 1 5 10 14  
225  
226 (2) INFORMATION FOR SEQ ID NO:10:  
227  
228 (i) SEQUENCE CHARACTERISTICS:  
229 (A) LENGTH: 20 bases  
230 (B) TYPE: nucleic acid  
231 (C) STRANDEDNESS: single  
232 (D) TOPOLOGY: linear  
233  
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
235  
236  
237 CCNGCNCNC CNGCNTGYGA 20  
238  
239  
240  
241 (2) INFORMATION FOR SEQ ID NO:11:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH: 21 bases  
245 (B) TYPE: nucleic acid  
246 (C) STRANDEDNESS: single  
247 (D) TOPOLOGY: linear  
248  
249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
250  
251  
252 NCCRTGNARN ACRTGRTCRT C 21  
253  
254  
255  
256 (2) INFORMATION FOR SEQ ID NO:12:  
257  
258 (i) SEQUENCE CHARACTERISTICS:

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/348,658**

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*INPUT SET: S3868.raw*

| Line | Error                           | Original Text                     |
|------|---------------------------------|-----------------------------------|
| 27   | Wrong application Serial Number | (A) APPLICATION NUMBER: 08/348658 |